A. CLASS	SIFICATION OF SUBJECT MATTER F04B39/02			
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum of IPC 7	documentation searched (classification system followed by class $F04B$	strication symbols)		
Documenta	ation searched other than minimum documentation to the extent	that such documents are included in	the fields searched	
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)				
	nternal, WPI Data, PAJ	í	·	
0.00000				
	RENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the	ne relevant passages	Relevant to daim No.	
X	US 2 583 583 A (MANGAN JOHN R) 29 January 1952 (1952-01-29) the whole document		1-15	
Α	US 5 118 263 A (FRITCHMAN JACK 2 June 1992 (1992-06-02) the whole document	F)	1-15	
A	DE 17 97 261 U (LICENTIA PATENT-VERWALTUNGS-GMBH) 8 October 1959 (1959-10-08) the whole document		1-15	
Furth	er documents are listed in the continuation of box C.	χ Patent family members	are listed in annex.	
Special categories of cited documents: "T" later document published after the international filling date or priority date and not in conflict with the application but		r the international filling date		
considered to be of particular relevance E' earlier document but published on or after the international Considered to be of particular relevance invention Considered to be of particular relevance invention Cited to understand the principle or theory underlying the invention Cited to understand the principle or theory underlying the invention				
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citation or other special reason (as specified) or document referring to an oral disclosure, use, exhibition or or document referring to an oral disclosure, use, exhibition or or document is combined with one or more oth			olve an inventive step when the	
other means **document published prior to the international filing date but later than the priority date claimed **The claim of the c		ments, such combination bet in the art. "&" document member of the sam	ng obvious to a person skilled	
rate of the actual completion of the international search		Date of mailing of the international search report		
11 November 2003		24/11/2003	24/11/2003	
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